



Association of American
State Geologists



UTAH GEOLOGICAL SURVEY
a division of
UTAH DEPARTMENT OF
NATURAL RESOURCES
STATE OF UTAH

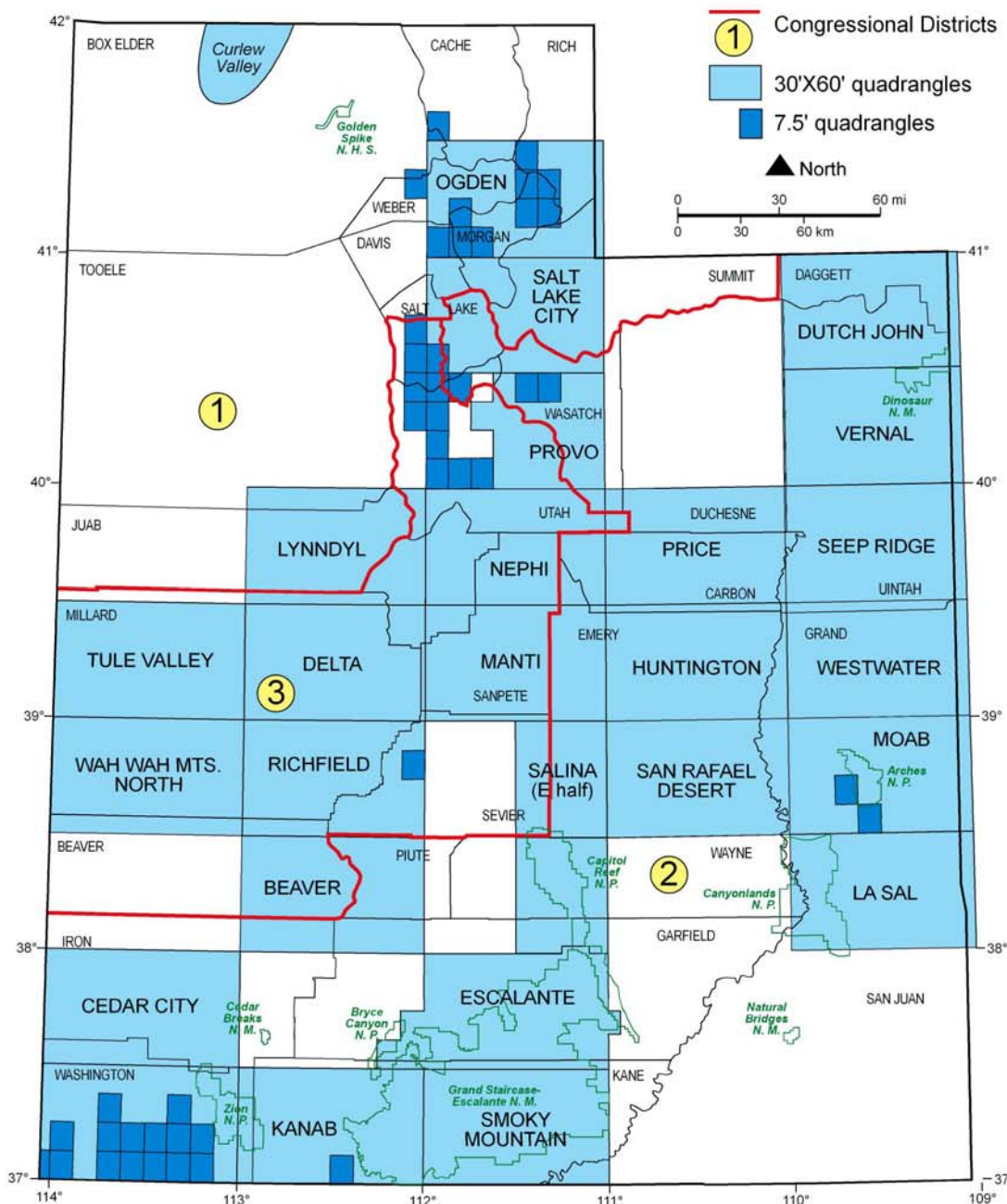
United States
Geological Survey



National Cooperative Geologic Mapping Program

STATEMAP Component: States compete for federal matching funds for geologic mapping

UTAH 1993-2005



Contact information

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SUMMARY OF STATEMAP GEOLOGIC MAPPING PROGRAM IN UTAH

Fed Fiscal Year	Project Title (Quadrangle) 30'x60' quadrangles = 1:100,000 scale 7.5' quadrangles = 1:24,000 scale (county listed)	State Dollars	Federal Dollars	Total Project Dollars
93	7.5' - Richfield (Sevier), Midvale (Salt Lake)	\$30,000	\$30,000	\$60,000
94	7.5' - St. George and Washington Washington), Moab (Grand)	\$38,000	\$38,000	\$76,000
95	7.5' - Santa Clara (Washington), Merrimac Butte (Grand)	\$30,000	\$30,000	\$60,000
96	30'x60' - Ogden (pt 1), Smoky Mountain 7.5' - White Hills and Harrisburg Junction (Washington)	\$125,000	\$125,000	\$250,000
97	30'x60' - Ogden (pt 2), Escalante, Kanab, SE part of Panguitch 7.5' - Hurricane and Washington Dome (Washington)	\$130,102	\$130,102	\$260,204
98	30'x60' - Ogden (pt 3), Delta, Moab, La Sal 7.5' - Horse Ridge, Dairy Ridge, Lost Creek Dam, Francis Canyon, and Peck Canyon (Morgan, Rich); The Divide (Washington); Center Creek (Wasatch)	\$149,044	\$149,044	\$298,088
99	30'x60' - Dutch John (pt 1), Provo (pt 1), Wah Wah Mountains North 7.5' - Pintura (Washington)	\$130,000	\$130,000	\$260,000
00	30'x60' - Dutch John (pt 2), Nephi, Tule Valley, Richfield, San Rafael D. (pt 1) 7.5' - Snow Basin (Weber, Morgan)	\$124,590	\$124,590	\$249,180
01	30'x60' - Dutch John (pt 3), San Rafael Desert (pt 2), Provo (pt 2) 7.5' - Cedar Fort and Saratoga Springs (Utah), Veyo (Washington)	\$146,763	\$146,763	\$293,526
02	30'x60' - Vernal (pt 1), Salina half (pt 1), Provo (pt 3), Cedar City, Manti, Price 7.5' - Lehi and Jordan Narrows (Utah), Little Creek Mountain (Washington)	\$206,774	\$206,774	\$413,547
03	30'x60' - Vernal (pt 2), Salina (E - pt 2), Beaver (pt 1), Provo (pt 4), Curlew Valley, Huntington, Westwater 7.5' - Magna and Copperton (Salt Lake), Tickville Spring (Salt Lake and Utah), Virgin (Washington), Morgan and Peterson (Morgan)	\$291,417	\$291,417	\$582,834
04	30'x60' - Vernal (pt 3), Loa NE qtr (pt 1), Beaver (pt 2), Provo (pt 5), Lynndyl 7.5' - Charleston (Wasatch), Kaysville (Davis), Plain City (Weber), Durst Mountain (Weber, Morgan), West Mountain Peak, Castle Cliff, and Terry Benches (Washington)	\$274,923	\$274,923	\$549,846
05	30'x60' - Loa (SE - pt 2), Provo (pt 6), St George, Dutch John 7.5' - Spanish Fork, West Mountain, Goshen Valley, Soldiers Pass (Utah); Kanab (Kane); Mt. Pisgah (Cache, Box Elder)	\$226,749	\$226,749	\$453,498
TOTALS		\$1,913,363	\$1,913,363	\$3,826,726

Cooperative funding through the STATEMAP component of the National Cooperative Geologic Mapping Program will enable the Utah Geological Survey to complete new or digitally compiled geologic maps of twenty-seven 30'x60' and forty-four 7.5' quadrangles since 1993. Local, state, and federal land management agencies use these new maps to address a variety of issues, including ground-water location and protection, geologic hazards evaluation, resource protection and development, education, and tourism.

For example, geologic maps of the St. George basin provided the foundation for a detailed study of the abundant geologic hazards that cause problems for construction in the rapidly growing area. New mapping in the Ogden 30'x60' quadrangle produced a major revision in the interpretation of the subsurface geology in the oil and gas field area of northeastern Utah, resulting in more accurate exploration strategies. New mapping near Lehi and Draper led to modification of roads and housing plans in new developments to avoid major landslides. Mapping in several national and state recreation areas has led to new geologic interpretations and tourist information.

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